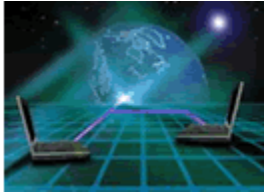# HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P) Data Elements

Area Health Education Center Key

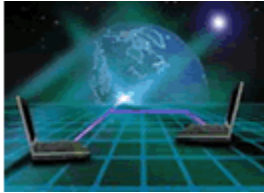|	
Definition:	The Area Health Education Center (AHEC) code is used to uniquely identify an AHEC. An AHEC) is an independent, non-profit organization which links the academic resources of university health care centers with community-based health service delivery systems in medically underserved areas. Primarily funded by cooperative agreements awarded by the Bureau of Health Professions/HRSA under Section 781 of the Public Health Service Act, the AHEC determines the manpower and resource needs of scarcity areas, and coordinate the activities of health profession students who are provided by cooperating medical and osteopathic schools and universities. (These students serve 10% of their clinical training at AHEC sites in underserved areas, thereby redistributing health personnel to areas of need and increasing the services provided to the community.) The individual activities and programs administered by the regional AHEC projects are determined by the needs and problems of the localities they serve.
Business Rules:	The Area Health Education Centers (AHEC) code is four digits; the first two digits are the FIPS State Code, the second two digits indicate the number of the center within the state.
Formula:	---
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	Quarterly
Physical Name:	AHEC_Key
Data Source:	---
Data Type:	Integer
Max. Size/Length:	---
Format (Layout):	---
Domain:	---
Tables:	COUNTY_DIM
Subject Areas:	Geography, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P) Data Elements

Census Division Code

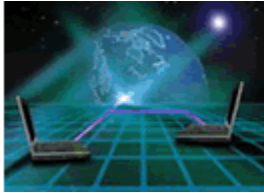|	
Definition:	The code used to identify the Census Division.
Business Rules:	The valid values for the Census Division Codes:
	1 : New England
	2 : Middle Atlantic
	3 : East North Central
	4 : West North Central
	5 : South Atlantic
	6 : East South Central
	7 : West South Central
	8 : Mountain
	9 : Pacific
Formula:	---
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	Quarterly
Physical Name:	Census_Division_Cd
Data Source:	---
Data Type:	Character
Max. Size/Length:	---
Format (Layout):	---
Domain:	[1, 2, 3, 4, 5, 6, 7, 8, 9]
Tables:	COUNTY_DIM
Subject Areas:	Geography, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P) Data Elements

Census Division Name

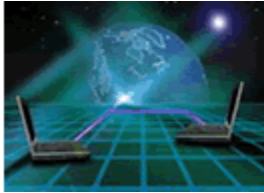|	
Definition:	The name of the Census Division.

Business Rules:	The valid values for the Census Division Names:
	  New England : Maine, Vermont, Massachusetts, New Hampshire, Connecticut, Rhode Island
	  Middle Atlantic : New York, New Jersey, Pennsylvania
	  East North Central : Ohio, Michigan, Indiana, Illinois, Wisconsin
	  West North Central : Minnesota, Iowa, Missouri, Kansas, Nebraska, South Dakota, North Dakota
	  South Atlantic : Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida
	  East South Central : Kentucky, Tennessee, Mississippi, Alabama
	  West South Central : Arkansas, Louisiana, Texas, Oklahoma
	  Mountain : Montana, Wyoming, Colorado, New Mexico, Arizona, Utah, Idaho, Nevada
	  Pacific : Washington, Oregon, California, Alaska

Formula:	---
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	Quarterly
Physical Name:	Census_Division_Nm
Data Source:	---
Data Type:	varchar
Max. Size/Length:	---
Format (Layout):	---
Domain:	["New England", "Middle Atlantic", "East North Central", "West North Central", "South Atlantic", "East South Central", "West South Central", "Mountain", "Pacific"]
Tables:	COUNTY_DIM
Subject Areas:	Geography, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P)
Data Elements

Census Region Code

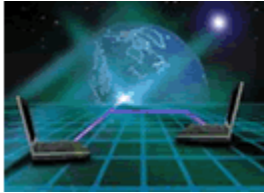|	
Definition:	The codes used by the U.S. Census to identify the regions of the U.S. for the purposes of administering the decennial census.
Business Rules:	The valid values for the Census Region Code are: 1 : Northeast 2 : Midwest 3 : South 4 : West
Formula:	---
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	Quarterly
Physical Name:	Census_Region_Cd
Data Source:	---
Data Type:	Character
Max. Size/Length:	---
Format (Layout):	---
Domain:	[1, 2, 3, 4]
Tables:	COUNTY_DIM
Subject Areas:	Geography, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P) Data Elements

Census Region Name

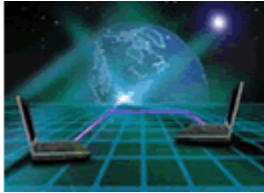|	
Definition:	The names used by the U.S. Census to identify the regions of the U.S. for the purposes of administering the decennial census.

Business Rules:	The following are the Census Regions:
	Northeast Region
	  * Division 1 : New England (Maine, Vermont, Massachusetts, New Hampshire, Connecticut, Rhode Island)
	  * Division 2 : Middle Atlantic (New York, New Jersey, Pennsylvania)
	
	Midwest Region
	  * Division 3 : East North Central (Ohio, Michigan, Indiana, Illinois, Wisconsin)
	  * Division 4 : West North Central (Minnesota, Iowa, Missouri, Kansas, Nebraska, South Dakota, North Dakota)
	
	South Region
	  * Division : South Atlantic (Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida)
	  * Division : East South Central (Kentucky, Tennessee, Mississippi, Alabama)
	  * Division 7 : West South Central (Arkansas, Louisiana, Texas, Oklahoma)
	
	West Region
	  * Division 8 : Mountain (Montana, Wyoming, Colorado, New Mexico, Arizona, Utah, Idaho, Nevada
	  * Division 9 : Pacific (Washington, Oregon, California, Alaska)

Formula:	---
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	Quarterly
Physical Name:	Census_Region_Nm
Data Source:	---
Data Type:	varchar
Max. Size/Length:	---
Format (Layout):	---
Domain:	["Northeast", "Midwest", "South", "West"]
Tables:	COUNTY_DIM
Subject Areas:	Geography, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P) Data Elements

County Description

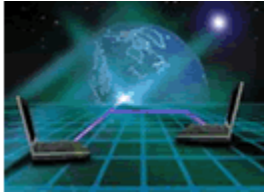|	
Definition:	This description is used to differentiate between the terms used by the different states (i.e., counties, parishes, independent cities).
Business Rules:	---
Formula:	---
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	Quarterly
Physical Name:	County_Desc
Data Source:	---
Data Type:	varchar
Max. Size/Length:	50
Format (Layout):	---
Domain:	---
Tables:	COUNTY_DIM
Subject Areas:	Geography, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P) Data Elements

County FIPS Code

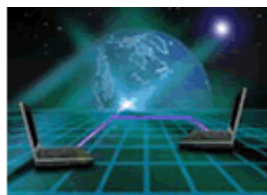|	
Synonyms:	County FIPS Code CountyFIPS County_FIPS_Cd
Definition:	A 3-digit numeric code assigned to each county within each U.S. state or territory. The numbers are only unique within a specific state or territory (i.e., multiple states can have county code 001).
Business Rules:	---
Formula:	---
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	As Required
Physical Name:	County_FIPS_Cd
Data Source:	---
Data Type:	Character
Max. Size/Length:	3
Format (Layout):	999
Domain:	---
Tables:	COUNTY_DIM, DEMOG_GEOGRAPHY_DIM
Subject Areas:	Census Statistics, Geography, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P), Primary Care Service Area (PCSA)
Metadata Update Date:	02/2004

Medically Underserved Area/Population (MUA/P) Data Elements

County Name

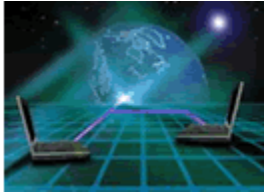|	
Synonyms:	County or County Equivalent
Definition:	The name of the county within each state as defined in the Federal Information Processing Standard (FIPS).
Business Rules:	---
Formula:	---
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	Quarterly
Physical Name:	County_Nm
Data Source:	---
Data Type:	varchar
Max. Size/Length:	50
Format (Layout):	---
Domain:	---
Tables:	COUNTY_DIM, DEMOG_GEOGRAPHY_DIM
Subject Areas:	Census Statistics, Geography, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P), Primary Care Service Area (PCSA)
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P) Data Elements

Federal Region Code

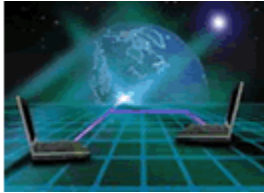|	
Definition:	These are the codes for the ten Federal Regional Offices from the Department of Health and Human Services (HHS).
Business Rules:	The valid values for the Federal Region Codes are: 01 : Boston R.O. (Maine, Vermont, Mass., Conn., R.I., N.H.) 02 : New York R.O. (N.Y., N.J., Puerto Rico, Virgin Islands) 03 : Philadelphia R.O. (Penn., Del., D.C., Maryland, Va., W. Va.) 04 : Atlanta R.O. (Ala., Fla., Georgia, Ky., Miss., N.C., S.C., Tenn.) 05 : Chicago R.O. (Ill., Indiana, Minn., Michigan, Ohio, Wisconsin) 06 : Dallas R.O. (Arkansas, N.M., Oklahoma, Texas, Louisiana) 07 : Kansas City R.O. (Iowa, Kansas, Missouri, Nebraska) 08 : Denver R.O. (Colo., Montana, N.D., S.D., Utah, Wyoming) 09 : San Francisco R.O. (Ariz., Calif., Hawaii, Nev., Trust Territories) 10 : Seattle R.O. (Alaska, Idaho, Oregon, Washington)
Formula:	---
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	Quarterly
Physical Name:	Federal_Region_Cd
Data Source:	---
Data Type:	Character
Max. Size/Length:	---
Format (Layout):	---
Domain:	---
Tables:	COUNTY_DIM
Subject Areas:	Geography, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P) Data Elements

Index of Medical Underservice Score

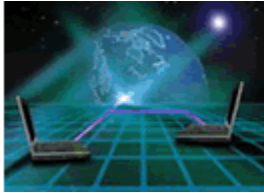|	
Definition:	The Index of Medical Underservice (IMU) score. The lowest score (highest need) is 0; the highest score (lowest need) is 100. In order to qualify for designation, the IMU score must be less than or equal to 62.0, except for a GOV designation, which does not receive an IMU score.
Business Rules:	The IMU scale is from 0 to 100, where 0 represents completely underserved and 100 represents best served or least underserved. Under the established criteria, each service area found to have an IMU of 62.0 or less qualifies for designation as an MUA.
	The IMU involves four variables - ratio of primary medical care physicians per 1,000 population, infant mortality rate, percentage of the population with incomes below the poverty level, and percentage of the population age 65 or over. The value of each of these variables for the service area is converted to a weighted value, according to established criteria. The four values are summed to obtain the area's IMU score.
Formula:	None.
Restrictions:	Public use.
Organization:	Health Resources and Services Administration (HRSA)
Update Frequency:	Quarterly
Physical Name:	MUA_Score
Data Source:	Score
Data Type:	Numeric
Max. Size/Length:	4
Format (Layout):	---
Domain:	---
Tables:	MUA_FACT, MUA
Subject Areas:	Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P) Data Elements

Land Area Year 1990

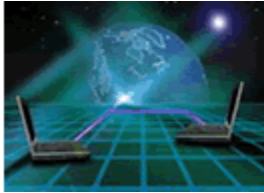|	
Definition:	1990 Land Area data are from the "County and City Data Book," 1994, CD-ROM, a statistical abstract supplement published by the Bureau of the Census, U.S. Department of Commerce. Land area measurements are shown to the nearest square mile and include dry land and land temporarily or partially covered by water. Land area was calculated from the specific set of boundaries recorded for the counties in the Census Bureau's geographic data base. The accuracy of any area measurement figure is limited by the inaccuracy inherent in (1) the location and shape of the various boundary features in the data base, and (2) rounding affecting the last digit in all operations that compute and/or sum the area.
Business Rules:	Although land area is a historic field, it has been broken out for Alaska boroughs and census areas, Virginia independent cities, and the U.S. territories of Guam, Puerto Rico, and the Virgin Islands in order to permit calculating population densities.
Formula:	---
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	Quarterly
Physical Name:	Land_Area_Year_1990
Data Source:	---
Data Type:	Numeric
Max. Size/Length:	---
Format (Layout):	---
Domain:	---
Tables:	COUNTY_DIM
Subject Areas:	Geography, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

Medically Underserved Area/Population (MUA/P) Data Elements

MSA PMSA Code

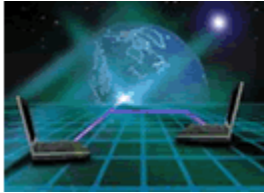|	
Definition:	The code for the specific Metropolitan Statistical Area (MSA) and Primary Metropolitan Statistical Area (PMSA).
Business Rules:	This single data element contains codes for the Metropolitan Statistical Area (MSA) or Primary Metropolitan Statistical Area (PMSA).
Formula:	---
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	Quarterly
Physical Name:	MSA_PMSA_Cd
Data Source:	---
Data Type:	Character
Max. Size/Length:	---
Format (Layout):	---
Domain:	---
Tables:	COUNTY_DIM
Subject Areas:	Geography, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P) Data Elements

MSA PMSA Level

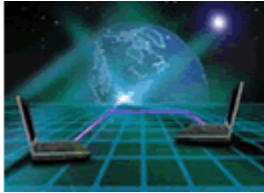|	
Definition:	This element is a code which categorizes a Metropolitan Statistical Area (MSA) or a Primary Metropolitan Statistical Area (PMSA) by its 1990 population (number of inhabitants).
Business Rules:	The valid values for the A Metropolitan Statistical Area (MSA)/Primary Metropolitan Statistical Area (PMSA) level are:
	1 : Level A (Areas of 1 million or more inhabitants)
	2 : Level B (Areas of 250,000 to 999,999 inhabitants)
	3 : Level C (Areas of 100,000 to 249,999 inhabitants)
	4 : Level D (Areas of less than 100,000 inhabitants)
Formula:	---
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	Quarterly
Physical Name:	MSA_PMSA_Level
Data Source:	---
Data Type:	Character
Max. Size/Length:	1
Format (Layout):	---
Domain:	[1, 2, 3, 4]
Tables:	COUNTY_DIM
Subject Areas:	Geography, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

Medically Underserved Area/Population (MUA/P) Data Elements

MSA PMSA Name

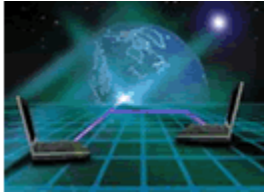|	
Definition:	The Metropolitan Statistical Area (MSA) and Primary Metropolitan Statistical Area (PMSA) names.
Business Rules:	The list of MSA and PMSA names (combined into a single data element) corresponding to the individual MSA and PMSA codes (which are also combined into a single data element). The MSA/PMSA and CMSA names have been abbreviated so as not to exceed 35 characters.
Formula:	---
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	Quarterly
Physical Name:	MSA_PMSA_Nm
Data Source:	---
Data Type:	varchar
Max. Size/Length:	---
Format (Layout):	---
Domain:	---
Tables:	COUNTY_DIM
Subject Areas:	Geography, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P) Data Elements

MUA/P Area Code

Definition:	A code that identifies the geographical area for the Medically Underserved Area/Population (MUA/P). It includes the state, county, minor civil division (MCD), or Census tract.
Business Rules:	---
Formula:	---
Restrictions:	Public use.
Organization:	Health Resources and Services Administration (HRSA)
Update Frequency:	As Required
Physical Name:	MUA_Area_Cd
Data Source:	---
Data Type:	varchar
Max. Size/Length:	11
Format (Layout):	---
Domain:	---
Tables:	MUA, MUA_FACT
Subject Areas:	Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004
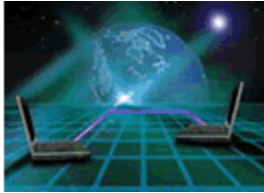
Medically Underserved Area/Population (MUA/P) Data Elements

MUA/P Designation Date

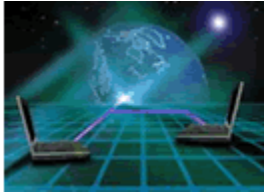|	
Definition:	Date that the Medically Underserved Area (MUA) or Medically Underserved Population (MUP) was originally designated.
Business Rules:	Some of the MUAs may not contain a designation date. This is due to computer generated designations that were performed in the early 1980's. This field will show null if this is the case.
Formula:	None.
Restrictions:	Public use.
Organization:	Health Resources and Services Administration (HRSA)
Update Frequency:	Quarterly
Physical Name:	MUA_Designation_DT
Data Source:	DesignationDate
Data Type:	Small Datetime
Max. Size/Length:	---
Format (Layout):	99/99/9999
Domain:	Valid dates.
Tables:	MUA, MUA_FACT
Subject Areas:	Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P) Data Elements

MUA/P Designation Type Description

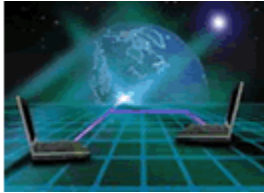|	
Definition:	The type of Medically Underserved Area/Population (MUA/P) designation.

Business Rules:	The valid values are:
	  MUA : area designated for the resident civilian population
	  MUP : population designated for a specific population
	  GOV : population designated at the request of the state governor due to local access barriers and/or health conditions.

Formula:	---
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	Quarterly
Physical Name:	MUA_Designation_Typ_Desc
Data Source:	---
Data Type:	varchar
Max. Size/Length:	55
Format (Layout):	XXX
Domain:	["MUA, "MUP", "GOV"]
Tables:	MUA_DESIGNATION_TYP_DIM
Subject Areas:	Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P)
Data Elements

MUA/P Identification Number

Definition:	A 5-digit identification number assigned to each designation.
Business Rules:	Consists of a 5 digit number.
Formula:	None.
Restrictions:	Public use.
Organization:	Health Resources and Services Administration (HRSA)
Update Frequency:	Quarterly
Physical Name:	MUA_ID_Num
Data Source:	MUAID
Data Type:	Character
Max. Size/Length:	5
Format (Layout):	99999
Domain:	---
Tables:	MUA
Subject Areas:	Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

Medically Underserved Area/Population (MUA/P) Data Elements

MUA/P Service Area Type Description

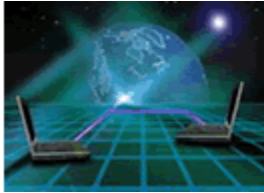|	
Definition:	This describes the geographic make-up of the service area.
Business Rules:	---
Formula:	None.
Restrictions:	Public use.
Organization:	Health Resources and Services Administration (HRSA)
Update Frequency:	Quarterly
Physical Name:	MUA_Service_Area_Typ_Desc
Data Source:	ServiceAreaType
Data Type:	varchar
Max. Size/Length:	50
Format (Layout):	---
Domain:	---
Tables:	MUA_SERVICE_AREA_TYP_DIM, MUA
Subject Areas:	Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P) Data Elements

MUA/P Source Identification Number

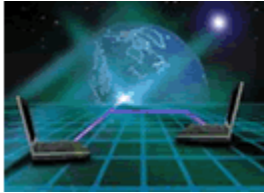|	
Definition:	A unique 5 digit identification number assigned to each Medically Underserved Area/Population (MUA/P) designated area.
Business Rules:	Consists of a 5 digit number.
Formula:	None.
Restrictions:	Public use.
Organization:	Health Resources and Services Administration (HRSA)
Update Frequency:	Quarterly
Physical Name:	MUA_Source_ID
Data Source:	MUAID
Data Type:	varchar
Max. Size/Length:	5
Format (Layout):	99999
Domain:	---
Tables:	MUA_FACT, MUA
Subject Areas:	Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P)
Data Elements

MUA/P Source Year

Definition:	Census geography year to which the corresponding geography is tied. (i.e. the minor civil division (MCD) and tract identifiers and corresponding geographic boundaries are specific to a particular decennial census; this column identifies the vintage of census geography used for the Medically Underserved Area/Population (MUA/P) geographic identifiers.)
Business Rules:	---
Formula:	---
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	Quarterly
Physical Name:	MUA_Source_Yr
Data Source:	---
Data Type:	Character
Max. Size/Length:	4
Format (Layout):	9999
Domain:	---
Tables:	MUA
Subject Areas:	Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

Medically Underserved Area/Population (MUA/P)
Data Elements

MUA/P Status Code

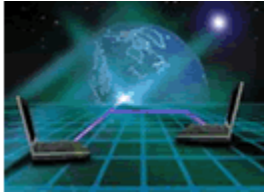|	
Definition:	This data element denotes the current status of the Medically Underserved Area/Population (MUA/P).
Business Rules:	The valid values are: D : Designated W : Withdrawn
Formula:	None.
Restrictions:	Public use.
Organization:	Health Resources and Services Administration (HRSA)
Update Frequency:	As Required
Physical Name:	MUA_Status_Cd
Data Source:	Status
Data Type:	Character
Max. Size/Length:	1
Format (Layout):	X
Domain:	["D", "W"]
Tables:	MUA, MUA_STATUS_DIM
Subject Areas:	Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004
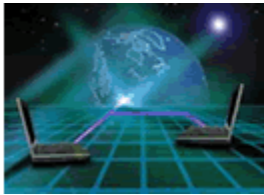
HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P) Data Elements

MUA/P Status Description

Definition:	The textual description of the Medically Underserved Area/Population (MUA/P) status.
Business Rules:	---
Formula:	---
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	Quarterly
Physical Name:	MUA_Status_Desc
Data Source:	---
Data Type:	varchar
Max. Size/Length:	50
Format (Layout):	N/A
Domain:	Alphanumeric characters
Tables:	MUA_STATUS_DIM
Subject Areas:	Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P)
Data Elements

MUA/P Update Date

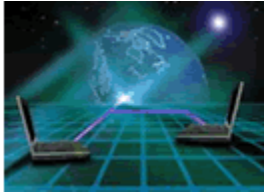|	
Definition:	This data element denotes the date that the Medically Underserved Area (MUA), or Medically Underserved Population (MUP) was last reviewed or updated.
Business Rules:	This field may be null. A Medically Underserved Area/Population (MUA/P) does not have a requirement to be updated. If this field is null then the original designation date was the last time the MUA/P was reviewed.
Formula:	None.
Restrictions:	Public use.
Organization:	Health Resources and Services Administration (HRSA)
Update Frequency:	Quarterly
Physical Name:	MUA_Update_Dt
Data Source:	MUAUpdated
Data Type:	Small Datetime
Max. Size/Length:	---
Format (Layout):	99/99/9999
Domain:	Valid dates.
Tables:	MUA_FACT, MUA
Subject Areas:	Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P) Data Elements

Population Per Square Mile Year 1990

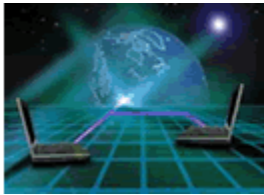|	
Definition:	This data element represents the Population per Square Mile for the given area associated with the record. This number was calculated using the 1990 Land Area from the Bureau of the Census.
Business Rules:	---
Formula:	---
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	Quarterly
Physical Name:	POP_Per_Square_Mile_Year_1990
Data Source:	---
Data Type:	Numeric
Max. Size/Length:	---
Format (Layout):	---
Domain:	---
Tables:	COUNTY_DIM
Subject Areas:	Geography, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P) Data Elements

Region Code

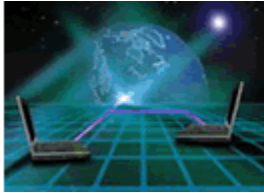|	
Definition:	The Region Code is the 2 numeric character code (leading zero) used to denote in which of the 10 HHS Regions a grantee primary mailing address exists. The Region Code is also represented by a roman numeral in the Region_Roman_Numeral field of the COUNTY_DIM table. The HRSA Geospatial Data Warehouse determined the Region based on the U.S. state or U.S. territory that contained the primary mailing address for a grantee organization.
Business Rules:	The Region Code is 2 numeric characters with a leading 0. All grantee organizations that have an identified state for their primary mailing address will be assigned a Region Code. The valid Region Codes are: 01 02 03 04 05 06 07 08 09 10
Formula:	HRSADW.COUNTY_DIM.Region_Cd
Restrictions:	Public use.
Organization:	US Department of Health and Human Services (DHHS)
Update Frequency:	As Required
Physical Name:	Region_Cd
Data Source:	HRSA Geospatial Data Warehouse
Data Type:	Numeric
Max. Size/Length:	2
Format (Layout):	[number] [number]
Domain:	positive integers
Tables:	COUNTY_DIM, DEMOG_GEOGRAPHY_DIM, AWARD_GRANT_CAN_YR_FA_AGGR, AWARD_GRANT_FA_AGGR
Subject Areas:	Census Statistics, Geography, Grants, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P), Primary Care Service Area (PCSA)
Metadata Update Date:	02/2004

Medically Underserved Area/Population (MUA/P) Data Elements

Region Name

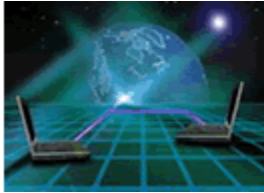|	
Definition:	The Region Name is the text "Region " concatenated with the Roman Numeral representation of the Region Number that is associated with the record in the COUNTY_DIM table. This is used in reporting to denote in which of the 10 HRSA Regions a grantee primary mailing address exists. The HRSA Geospatial Data Warehouse determined the Region based on the U.S. state or U.S. territory that was contained in the primary mailing address for a grantee organization. This data element is a textual string denoting a formal name for the DHHS Region, and is used for reporting purposes.
Business Rules:	The Region Name is a text string comprising the text "Region " and the Roman Numeral representation of the Region Number. All grantee organizations that have an identified state for their primary mailing address will be assigned a Region Name. The valid values are: Region I Region II Region III Region IV Region V Region VI Region VII Region VIII Region IX Region X
Formula:	HRSADW.COUNTY_DIM.Region_Nm
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	Quarterly
Physical Name:	Region_Nm
Data Source:	---
Data Type:	varchar
Max. Size/Length:	11
Format (Layout):	[Region] [Roman Numeral]
Domain:	Alpha Characters
Tables:	DEMOG_GEOGRAPHY_DIM, COUNTY_DIM, AWARD_GRANT_CAN_YR_FA_AGGR, AWARD_GRANT_FA_AGGR
Subject Areas:	Census Statistics, Geography, Grants, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P), Primary Care Service Area (PCSA)
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P) Data Elements

Region Roman Code

Definition:	The Region Roman Code is the up to 4 characters used to denote in which of the 10 HHS Regions a grantee primary mailing address exists. The Region Roman Code uses Roman numerals to depict the Region number. The HRSA Geospatial Data Warehouse determined the Region based on the U.S. state or U.S. territory that contained the primary mailing address for a grantee.
Business Rules:	The Region Roman Code is the Roman Numeral that identifies the HRSA Region with a text string that is up to 4 characters long. All grantee organizations that have an identified state for their primary mailing address will be assigned a Region Code.

The valid values for Region Roman Codes are:
 I : 1
 II : 2
 III : 3
 IV : 4
 V : 5
 VI : 6
 VII : 7
 VIII : 8
 IX : 9
 X : 10

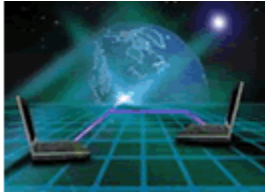|	
Formula:	HRSADW.COUNTY_DIM.Region_Cd
Restrictions:	Public use.
Organization:	US Department of Health and Human Services (DHHS)
Update Frequency:	Quarterly
Physical Name:	Region_Roman_Numeral
Data Source:	---
Data Type:	Character
Max. Size/Length:	4
Format (Layout):	[roman numeral]
Domain:	Alpha Characters (I,V, or X)
Tables:	DEMOG_GEOGRAPHY_DIM, COUNTY_DIM, AWARD_GRANT_CAN_YR_FA_AGGR, AWARD_GRANT_FA_AGGR
Subject Areas:	Census Statistics, Geography, Grants, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P), Primary Care Service Area (PCSA)
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P) Data Elements

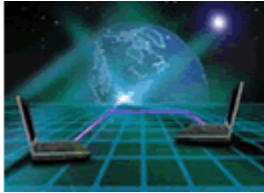## Rural/Urban Continuum Code

Definition:	The Rural/Urban Continuum Codes are from "Rural-Urban Continuum Codes for Metro and Nonmetro Counties," Department of Agriculture. The codes form a classification scheme that distinguishes metropolitan counties by size and non-metropolitan counties by degree of urbanization or proximity to metropolitan areas. All U.S. counties and county equivalents are grouped according to the official metropolitan status announced by the Office of Management and Budget (OMB) in June 1993, when the current population and commuting criteria were first applied to results of the 1990 Census of Population.

Business Rules:	The valid values are:
	Code Metropolitan Counties (00-03)
	  00 : Central counties of metropolitan areas of 1 million population or more
	  01 : Fringe counties of metropolitan areas of 1 million population or more
	  02 : Counties in metropolitan areas of 250,000 - 1,000,000 population
	  03 : Counties in metropolitan areas of less than 250,000 population
	
	Non-Metropolitan Counties (04-09)
	  04 : Urban population of 20,000 or more, adjacent to a metropolitan area
	  05 : Urban population of 20,000 or more, not adjacent to a metropolitan area
	  06 : Urban population of 2,500-19,999, adjacent to a metropolitan area
	  07 : Urban population of 2,500-19,999, not adjacent to a metropolitan area
	  08 : Completely rural (no places with a population of 2,500 or more) adjacent to a metropolitan area
	  09 : Completely rural (no places with a population of 2,500 or more) not adjacent to a metropolitan area
	
	Missing Value (99)
	  99 : Missing Value

Formula:	---
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	Quarterly
Physical Name:	Rural_Urban_Continum_Cd
Data Source:	---
Data Type:	Character
Max. Size/Length:	2
Format (Layout):	---
Domain:	[00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 99]
Tables:	COUNTY_DIM
Subject Areas:	Geography, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P)
Data Elements

02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P)
Data Elements

Service Area Name

Definition:	The data element that denotes a name assigned to the Medically Underserved Area/Population (MUA/P). It identifies the Service Area as a unit (as opposed to the MUA/P ID number and/or geographic identifier(s)). For MUA/P's designated on or after June, 2001, this entry is mandatory. For older data, it was optional.
Business Rules:	---
Formula:	None.
Restrictions:	Public use.
Organization:	Health Resources and Services Administration (HRSA)
Update Frequency:	Quarterly
Physical Name:	Service_Area_Nm
Data Source:	ServiceAreaName
Data Type:	varchar
Max. Size/Length:	55
Format (Layout):	N/A
Domain:	---
Tables:	MUA, MUA_FACT
Subject Areas:	Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

Medically Underserved Area/Population (MUA/P)
Data Elements

Service Area Type Description

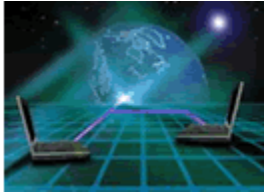|	
Definition:	This is a text string that identifies the service area type, it is the name associated with the code.
Business Rules:	---
Formula:	None.
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	Quarterly
Physical Name:	Service_Area_Type_Desc
Data Source:	---
Data Type:	varchar
Max. Size/Length:	55
Format (Layout):	---
Domain:	---
Tables:	MUA
Subject Areas:	Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P) Data Elements

SSA Benefit State County Code

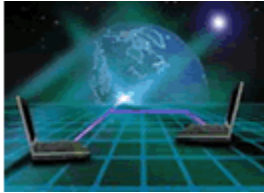|	
Definition:	The Social Security Administration's (SSA) Office of Research, Evaluation and Statistics (ORES) Beneficiary State and County Codes are used for beneficiary record coding, including the Supplemental Security Income (SSI) program. The code consists of a two-byte state and three-byte county code.

Business Rules:	Notes:
	  * The SSA code system provides a "Statewide" code designation (XX999) for all states. On the Alaska statewide record, it is assigned this code (02999). Otherwise, the "Statewide" codes are not carried.
	  * There are two SSA beneficiary codes used to identify Los Angeles County, California (05200 and 05210). However, since FIPS has only one code for Los Angeles, only 05200 is assigned to this county.
	  * Data for Park County, Montana (30067) do not include Yellowstone National Park (30113).

Formula:	---
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	Quarterly
Physical Name:	SSA_Benef_State_County_Cd
Data Source:	---
Data Type:	Character
Max. Size/Length:	---
Format (Layout):	---
Domain:	---
Tables:	COUNTY_DIM
Subject Areas:	Geography, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P)
Data Elements

State Abbreviation

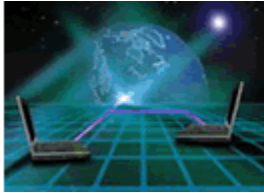|	
Synonyms:	State Abbreviation State Code State_Cd
Definition:	The State Abbreviation is the U.S. Postal Service 2 character abbreviation that identifies the U.S. state or U.S. territory.
Business Rules:	The State Abbreviation must be the 2 character U.S. Postal Service abbreviation for the U.S. state or U.S. territory. The 2 character values are always capitalized. In the DWProviderGeo this element is named State_Cd.
Formula:	HRSADW.STATE_LKP.State_Abbr
Restrictions:	Public use.
Organization:	United States Postal Service (USPS)
Update Frequency:	Quarterly
Physical Name:	State_Abbr
Data Source:	United States Postal Service (USPS)
Data Type:	Character
Max. Size/Length:	2
Format (Layout):	{letter} {letter}
Domain:	Alpha Characters
Tables:	COUNTY_DIM, DEMOG_GEOGRAPHY_DIM, AWARD_GRANT_DA_AGGR
Subject Areas:	Census Statistics, Geography, Grants, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P), Primary Care Service Area (PCSA)
Metadata Update Date:	02/2004

Medically Underserved Area/Population (MUA/P) Data Elements

State County FIPS Code

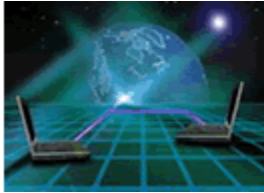|	
Definition:	This data element is a five (5) digit numeric text string which has the State and County Federal Information Processing Standard (FIPS) codes combined.
Business Rules:	The first two characters of the string are the state FIPS code, the last three characters of the string is the county FIPS code. For example for Alabama's Autauga County, the five digit code would be 01001 which is the combination of Alabama (01) and Autauga County (001).
Formula:	Concatenation of the State FIPS code and the County FIPS code.
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	As Required
Physical Name:	State_County_FIPS_Cd
Data Source:	HRSA Geospatial Data Warehouse
Data Type:	Character
Max. Size/Length:	5
Format (Layout):	[number] [number] [number] [number] [number]
Domain:	positive integers
Tables:	COUNTY_DIM, AWARD_GRANT_CAN_YR_FA_AGGR, AWARD_GRANT_FA_AGGR, MCD_DIM
Subject Areas:	Geography, Grants, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

Medically Underserved Area/Population (MUA/P) Data Elements

State FIPS Code

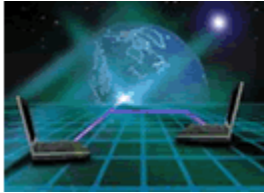|	
Definition:	A unique identifying code (two digit numeric string) assigned by the National Bureau of Standards and Technology (NIST) to states, District of Columbia, and U.S. territories.
Business Rules:	The State FIPS Code is the 2 numeric character representation of the U.S. State, U.S. Territory, or the District of Columbia as assigned by the National Bureau of Standards and Technology (NIST). All U.S. States, U.S. Territories, or the District of Columbia have a State FIPS Code.
Formula:	HRSADW.STATE_LKP.State_FIPS_CD
Restrictions:	Public use.
Organization:	National Center for Health Statistics (NCHS)
Update Frequency:	As Required
Physical Name:	State_FIPS_Cd
Data Source:	ESRI Data and Maps CD
Data Type:	Character
Max. Size/Length:	2
Format (Layout):	[number] [number]
Domain:	positive integers
Tables:	COUNTY_DIM, DEMOG_GEOGRAPHY_DIM, AWARD_GRANT_CAN_YR_FA_AGGR, AWARD_GRANT_FA_AGGR, CONG_DIST_DIM
Subject Areas:	Census Statistics, Geography, Grants, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P), Primary Care Service Area (PCSA)
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P)
Data Elements

State Name

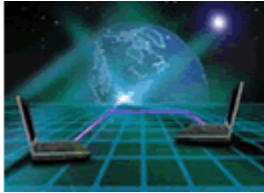|	
Synonyms:	State State Name
Definition:	The State Name is the representation of the official U.S. state or U.S. territory name with which a county or county equivalent is identified.
Business Rules:	The State Name is the representation of the official U.S. state or U.S. territory name with which a county or county equivalent is identified. The State Name is a required field for all grant transactions awarded through EHB GEMS.
Formula:	HRSADW.COUNTY_DIM.State_Nm
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	Quarterly
Physical Name:	State_Nm
Data Source:	United States Postal Service (USPS)
Data Type:	varchar
Max. Size/Length:	55
Format (Layout):	[text]
Domain:	Alpha Characters
Tables:	COUNTY_DIM, DEMOG_GEOGRAPHY_DIM, AWARD_GRANT_DA_AGGR, AWARD_GRANT_CAN_YR_FA_AGGR, AWARD_GRANT_FA_AGGR
Subject Areas:	Census Statistics, Geography, Grants, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P), Primary Care Service Area (PCSA)
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P) Data Elements

U.S. - Mexico Border 100 Kilometer Indicator

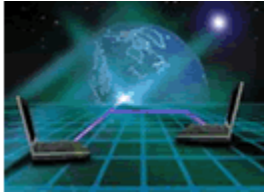|	
Definition:	The U.S. - Mexico Border 100 Kilometer Indicator is a HRSA Geospatial Data Warehouse generated value that indicates whether the primary mailing address for a grantee organization is within 100 kilometers of the U.S. - Mexico border. These records are identified with a Y.

Business Rules:	The U.S. - Mexico Border 100 Kilometer Indicator identifies the grantees whose primary mailing address resides within 100 km of the U.S. - Mexico border. This flag was determined using a point-in-poly spatial analysis.
	
	The valid values are:
	  Y : indicating entity is within 100 km of the U.S. - Mexico border
	  Null : indicating entity is not within 100 km of the U.S. : Mexico border

Formula:	None
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	Quarterly
Physical Name:	US_Mexico_Border_100km_Ind
Data Source:	HRSA Geospatial Data Warehouse
Data Type:	Character
Max. Size/Length:	1
Format (Layout):	[letter]
Domain:	[Y, or Null]
Tables:	HPSA_FACT, MUA_FACT, MUA, SITE, GRANTEE_DIM, AWARD_GRANT_CAN_YR_FA_AGGR, AWARD_GRANT_FA_AGGR
Subject Areas:	Address, Grants, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P), Providers, Sites
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P)
Data Elements

U.S. - Mexico Border County Indicator

Definition:	This is a flag to indicate that a county is in the U.S. - Mexico Border Health Commission list of U.S. counties that border Mexico. These counties are in the 100 km border region.

Business Rules:	The valid values are:
	  Y : indicating that the county is in the U.S. - Mexico Border Health Commission list
	  Null : indicating that the county is not in the U.S. - Mexico Border Health Commission list

Formula:	None
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	Quarterly
Physical Name:	US_Mexico_Border_County_Ind
Data Source:	---
Data Type:	Character
Max. Size/Length:	1
Format (Layout):	---
Domain:	[Y, Null]
Tables:	COUNTY_DIM
Subject Areas:	Geography, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004

HRSA GEOSPATIAL DATA WAREHOUSE

Medically Underserved Area/Population (MUA/P) Data Elements

Urban/Rural Setting

Synonyms:	Rural/Urban Code
Definition:	This data element indicates whether the site location is urban or rural.
Business Rules:	The valid values are: U : Urban R : Rural
Formula:	---
Restrictions:	Public use.
Organization:	HRSA Office of Information Technology (OIT)
Update Frequency:	Quarterly
Physical Name:	Urban_Cd
Data Source:	---
Data Type:	Character
Max. Size/Length:	1
Format (Layout):	---
Domain:	[U, R]
Tables:	COUNTY_DIM
Subject Areas:	Geography, Health Professional Shortage Area (HPSA), Medically Underserved Area/Population (MUA/P)
Metadata Update Date:	02/2004